

## B3 – Transport Systems Quiz

1. Water is transported up the stem to the leaves through which plant feature?

Xylem

2. Sugars are transported to plant storage organs through which feature?

Phloem

3. Give one method of treating a narrowed blood vessel.

Stent/ by-pass operation/statins

4. Which part of the blood transports urea?

Plasma

5. Which part of the blood helps blood clot at the site of a cut?

Platelets

6. Why don't red blood cells have a nucleus?

Allows cell to have more haemoglobin for oxygen transport.

7. Name the red pigment found in red blood cells.

Haemoglobin

8. Describe the heart cycle.

A ventricle fills with blood by the contraction of an atrium. When a ventricle contracts, blood is forced into an artery. When a ventricle relaxes, the backflow of blood into it is prevented by the closing of a semi-lunar valve.

9. What type of blood vessels join arteries to veins?

Capillaries

10. State three things that are carried around the body in the blood plasma.

Red blood cells, white blood cells, water, urea, minerals, platelets, vitamins, hormones, proteins, glucose, amino acids, glycerol, fatty acids, antibodies, cholesterol, carbon dioxide, drugs, toxins, viruses, bacteria, antitoxins